

**To:** 'Brown, Anthony R (RM)'[anthony.brown@bp.com]; 'McCarthy, Dave T (Copper Environmental Consulting)'[dave.mccarthy@copperenv.com]; 'Andy Slavik'[andy.slavik@copperenv.com]; abby.cazier@copperenv.com[abby.cazier@copperenv.com]; 'Olson, Eric (COPPER ENVIRONMENTAL CONSULTING)'[eric.olson@copperenv.com]; 'Lombardi, Marc'[Marc.Lombardi@amecfw.com]; 'Jefferson, Jill'[jill.jefferson@amecfw.com]; 'Parrish, Kent'[kent.parrish@amecfw.com]; 'Andrews, Andy'[andy.andrews@amecfw.com]; 'Grant Ohland -'[gohland@ohlandhydrogeo.com]  
**Cc:** Deschambault, Lynda[Deschambault.Lynda@epa.gov]  
**From:** Mike Johnson  
**Sent:** Sun 5/28/2017 3:57:39 AM  
**Subject:** RE: May 19 Site Status

Tony,

We did have recirculation off on May 19, as we were finishing transferring solids from Pond 3 to Pond 4. With the high spring flows, the ASB had generated more solids and we moved solids from Pond 3 to Pond 4 to help increase retention time in Pond 3 and avoid pumping solids to the Biocells. Ultimately, we will treat the solids but this allowed us additional time prior to managing solids for off-site disposal. Since we dewater Pond 3 during solids transfer, we turn off our recirculation pumps to avoid damage and also to avoid suspended solids getting pumped to the pretreatment pond and then into the Biocells. We finished refilling the ponds on Monday May 22, and have been in normal recirculation mode since.

Thanks,

Mike Johnson, PE  
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-----Original Message-----

From: Brown, Anthony R (RM) [mailto:anthony.brown@bp.com]  
Sent: Friday, May 26, 2017 8:32 PM  
To: McCarthy, Dave T (Copper Environmental Consulting); Johnson, Mike (COPPER ENVIRONMENTAL CONSULTING); 'Andy Slavik'; abby.cazier@copperenv.com; Olson, Eric (COPPER ENVIRONMENTAL CONSULTING); Lombardi, Marc; Jefferson, Jill (jill.jefferson@amecfw.com); Parrish, Kent (kent.parrish@amecfw.com); Andrews, Andy (andy.andrews@amecfw.com); Grant Ohland - (gohland@ohlandhydrogeo.com)  
Cc: Deschambault, Lynda  
Subject: FW: May 19 Site Status  
Importance: High

Hi Lynda, thanks for the note and questions.

Dave and Marc, refer to the note from Lynda below and:

- 1) Request Copper address the below noted question regarding the Aspen Seep System
- 2) AMECFW - please provide a response to the question regarding "SD-39" (photograph attached)

Please provide answers to the questions as soon as possible. Additionally, lets ensure answers to the questions are memorialized in the monthly report that will be provided to EPA in early June. As the monthly report is also provided to the wider group of agencies and stakeholders - all these folks will also stay informed.

Lastly and point forward, when EPA, EPA technical team members, EPA oversight personnel, CA RWQCB personnel and/or stakeholders visit Leviathan (and those persons request AR participation or support with the visit) - please have staff members available to walk areas of interest, answer questions and note action items for follow up - to help clarify observations and site conditions on the spot.

P.S. The photograph of Stake SD-39 is super interesting - someone mentioned this week in Sacramento the survey teams had found, staked and labeled a number of new springs which have "appeared" this year at Leviathan. Suggest it may be helpful to have a map produced ASAP of all the new points where the RI FS survey team has found new surface water sources and maybe even have a call with EPA to summarize these new observations. A call would also give EPA the opportunity to quickly digest these new observations and provide input on data they feel are important to gather and have special focus. Additionally, I assume as part of the water balance study and site conceptual model work that the RI FS team will continue to monitor these flows throughout the year - as I assume these new water sources may quickly (or slowly) dry up and/or dissipate. Thanks for following up on all of these items as quickly as possible.

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From: Deschambault, Lynda [mailto:Deschambault.Lynda@epa.gov]  
Sent: Friday, May 26, 2017 6:13 PM  
To: Brown, Anthony R (RM)  
Cc: Lombardi, Marc (marc.lombardi@amecfw.com)  
Subject: May 19 Site Status

Hello Tony,

Two issues that I didn't get a chance to raise on our call today:  
During our May 19 visit to the site, a couple observations raised some questions that perhaps ARC can answer / address:

- \* the recirculation line at the Aspen Seep pre-treatment pond did

not appear to be flowing based on lack of visible discharge to the pre-treatment pond. Could you clarify if the ASBR is operating in recirculation mode?

\* The attached photo (6233) shows a pipe labeled as SD-39 that is discharging water freely at the site. It has a label, and wondering if you have data and/or information on where the water is coming from

Best Regards,

Lynda Deschambault  
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